

# MINI MCR-SL-PTB-SP - Power terminal block



2864147

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MCR feed-in terminal for supplying several MINI Analog modules via a DIN rail connector, with spring-cage connection, maximum current consumption of up to 2 A. Replacement part: 2902067 MINI MCR-2-PTB-PT.

## Your advantages

- For supplying the supply voltage via the foot element (DIN rail connector) where DC voltages of up to 30 V are already available
- Status and error indication via diagnostic LEDs
- For up to 2 A
- For up to 80 MINI analog modules
- Redundant supply decoupled from diode possible

## Commercial data

Item number	2864147
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C403
Product key	DK113Z
GTIN	4017918974787
Weight per piece (including packing)	79.4 g
Weight per piece (excluding packing)	59.8 g
Customs tariff number	85437090
Country of origin	DE

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## Technical data

### Product properties

Product type	Feed-in module
Product family	MINI Analog

### Input data

Input voltage	24 V DC
Input voltage range DC	20 V DC ... 30 V DC
Max. input current	2 A
Reverse polarity protection	yes

### Output data

Output voltage range	Input voltage - 0.8 V
Maximum power dissipation for nominal condition	< 5 mW

### Connection data

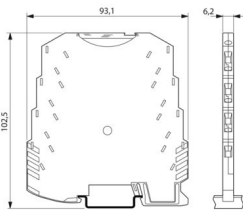
#### Input

Connection method	Spring-cage connection
Conductor cross-section, rigid min.	0.2 mm <sup>2</sup>
Conductor cross-section, rigid max.	2.5 mm <sup>2</sup>
Conductor cross-section flexible min.	0.2 mm <sup>2</sup>
Conductor cross-section flexible max.	2.5 mm <sup>2</sup>
Conductor cross-section AWG min.	24
Conductor cross-section AWG max.	12
Stripping length	8 mm

### Signaling

Status display	Green LED (supply)
Error indication	Red LED

### Dimensions

Dimensional drawing	
Width	6.2 mm
Height	93.1 mm
Depth	102.5 mm

### Material specifications

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Housing material	PBT
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 2
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 2
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 2

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

## Approvals

### Conformity/Approvals

Conformance	CE-compliant
ATEX	⊕ II 3 G Ex nA IIC T4 Gc X
UL, USA / Canada	UL 508 Recognized Class I, Div. 2, Groups A, B, C, D T5
GL	GL EMC 2 D

## EMC data

Electromagnetic compatibility	Conformance with EMC directive
Noise immunity	EN 61000-6-2
Note	When being exposed to interference, there may be minimal deviations.

### Noise emission

Standards/regulations	EN 61000-6-4
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### Electrostatic discharge

Standards/regulations	EN 61000-4-2
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### Electrostatic discharge

Comments	Safety measures must be taken to prevent electrostatic discharge.
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### Electromagnetic HF field

Designation	Electromagnetic RF field
Standards/regulations	EN 61000-4-3
Evaluation criterion	A

### Fast transients (burst)

Designation	Fast transients (burst)
Standards/regulations	EN 61000-4-4
Evaluation criterion	B

### Surge current load (surge)

Standards/regulations	EN 61000-4-5
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## Surge current load (surge)

Comments	Criterion B
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## Conducted interference

Designation	Conducted interferences
Standards/regulations	EN 61000-4-6
Evaluation criterion	A

## Mounting

Mounting type	DIN rail mounting
Assembly note	The DIN rail connector can be used for bridging the supply voltage. It can be snapped onto a 35 mm EN 60715 DIN rail.
Mounting position	any

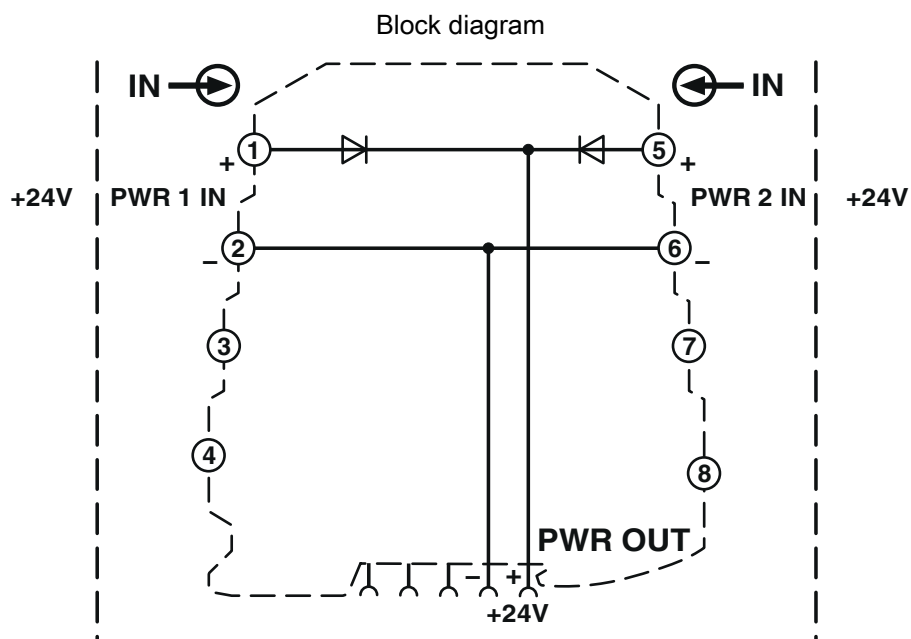
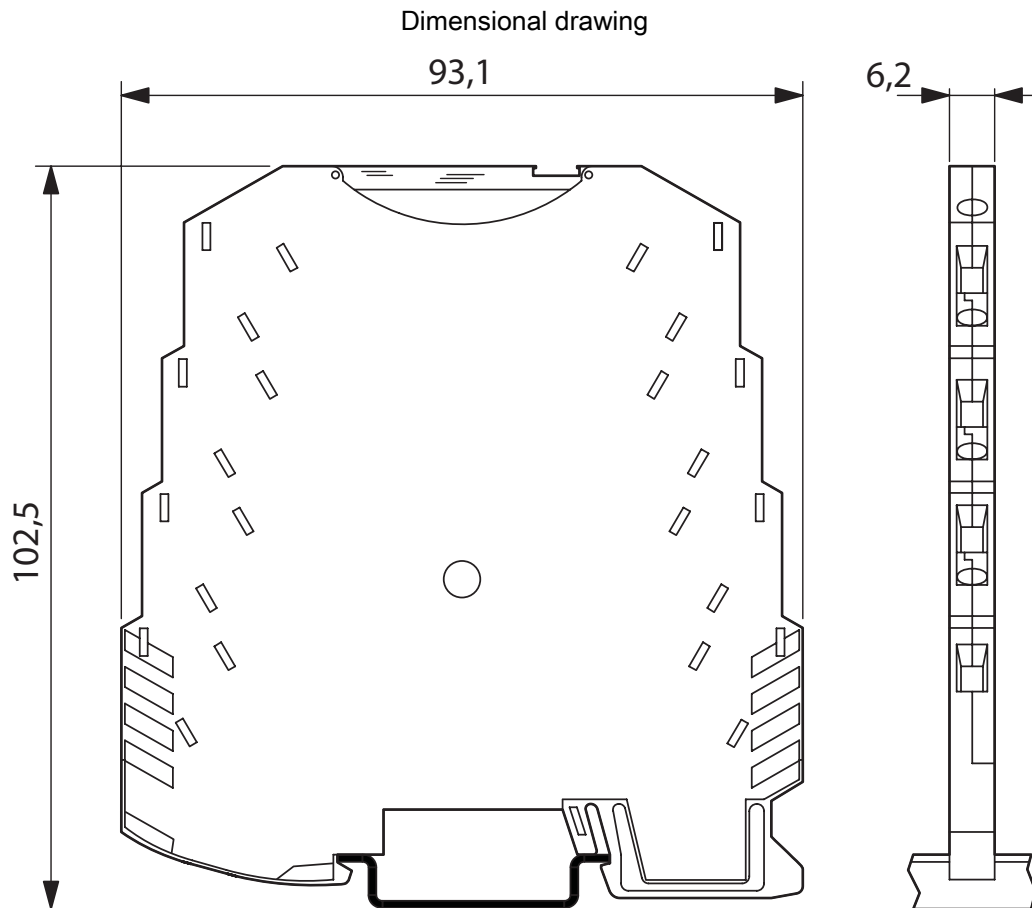
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## Drawings



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## Environmental product compliance

### China RoHS

Environment friendly use period (EFUP)	EFUP-50 An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
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### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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